Form PTO-1449	Docket Number: 041673/2043	Application Number: 09/620,174
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant: Tuszynski, et al.	
(Use several sheets if necessary)	Filing Date: 07/19/2000	Group Art Unit: 1633

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
LDL	A1	01/21/92	5,082,670	Gage et al.			
	A2	06/25/96	5,529,774	Barba et al.			
	A3	07/22/97	5,650,148	Gage et al.			
	A4	11/04/97	5,683,695	Shen et al.			
	A5	05/26/98	5,756,312	Weiner et al.			
	A6	06/09/98	5,762,926	Gage et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES	Translation NO
LDL	A7	06/28/90	WO 90/06757	PCT				

OTHER DOCUMENTS *(including author, title, Date, Pertinent Pages, Etc.)*

Examiner Initials	Ref. No.	Title
LDL	A8	Armelin et al., "Pituitary extracts and steroid hormones in the control of 3T3 cell growth" Proc. Natl. Acad. Sci. (1973) 70:2702-6.
	A9	Banerji et al., "Expression of a beta-globin gene is enhanced by remote SV40 DNA sequences" Cell (1981) 27:299-308.
	A10	Benoist et al., "In vivo sequence requirements of the SV40 early promoter region" Nature (1981) 290:304-10.
	A11	Blesch et al., "Ex vivo gene therapy for Alzheimer's disease and spinal cord injury" Clinical Neuroscience (1996) 3:268-274.
	A12	Borsani et al., "cDNA sequence of human beta-NGF" Nucleic Acids Res. (1990) 18:4020.
	A13	Breathnach et al., "Organization and expression of eucaryotic split genes coding for proteins" Ann. Rev. Biochem. (1981) 50:349-83.
	A14	Chen et al., "Calcium phosphate-mediated gene transfer: a highly efficient transfection system for stably transforming cells with plasmid DNA" BioTechniques (1988) 6:632-8.
	A15	Chen et al., "High-efficiency transformation of mammalian cells by plasmid DNA" Mol. Cell. Biol. (1987) 7:2745-52.
	A16	Chua et al., "Tumor necrosis factor-alpha induces mRNA for collagenase and TIMP in human skin fibroblasts" Connect. Tissue Res. (1990) 25:161-170.
	A17	Conner et al., "Distribution of NGF delivered into the rat CNS by either grafted NGF-secreting fibroblasts, intraparenchymal (IP) injections, or IP-infusions" Society for Neuroscience (1997) 23:53 Abstract 29.5.

EXAMINER: [signature] DATE CONSIDERED: 12/16/04 1/18/05

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OTHER DOCUMENTS *(including author, title, Date, Pertinent Pages, Etc.)*

Examiner Initials	Ref. No.	Title
LDL	A18	Corden et al., "Promoter sequences of eukaryotic protein-coding genes." Science (1980) 209:1406-14.
	A19	DePamphilis et al., "Microinjecting DNA into mouse ova to study DNA replication and gene expression and to produce transgenic animals" BioTechniques (1988) 6:662-80.
	A20	de Wet et al., "The mRNAs for the pro-alpha 1(I) and pro-alpha 2(I) chains of type I procollagen are translated at the same rate in normal human fibroblasts and in fibroblasts from two variants of osteogenesis imperfecta with altered steady state ratios of the two mRNAs" J. Biol. Chem. (1983) 258:14385-9.
	A21	Elias et al., "Regulation of human lung fibroblast collagen production by recombinant interleukin-1, tumor necrosis factor, and interferon-gamma" Ann. N.Y. Acad. Sci. (1990) 580:233-244.
	A22	Felgner et al., "Cationic liposome mediated transfection" Proc. West. Pharmacol. Soc. (1989) 32:115-21.
	A23	Felgner et al., "Cationic liposome mediated transfection" Focus. (1989) 11:21-25.
	A24	Felgner et al., "Lipofection: a highly efficient, lipid-mediated DNA-transfection procedure" Proc. Natl. Acad. Sci. (1987) 84:7413-7.
	A25	Fraley et al., "New generation liposomes: the engineering of an efficient vehicle for intracellular delivery of nucleic acids" Trends Biochem. Sci. (1981) 6:77-80.
	A26	Fromm et al., "Deletion mapping of DNA regions required for SV40 early region promoter function in vivo" J. Mol. Appl. Genet. (1982) 1:457-81.
	A27	Gruss et al., "Simian virus 40 tandem repeated sequences as an element of the early promoter" Proc. Natl. Acad. Sci. (1981) 78:943-7.
	A28	Hefti et al., "Nerve growth factor and Alzheimer's disease" Ann. Neurol. (1986) 20:275-81.
	A29	Higgins et al., "NGF receptor gene expression is decreased in the nucleus basalis in Alzheimer's disease" Exp. Neurol. (1989) 106:222-36.
	A30	Horellou et al., "Adenovirus-mediated gene transfer to the central nervous system for Parkinson's Disease" Experimental Neurobiology (1997) 144:131-8.
	A31	Jolly et al., "Elements in the long terminal repeat of murine retroviruses enhance stable transformation by thymidine kinase gene" Nucleic Acids Res. (1983) 11:1855-1872.
	A32	Kobayashi et al., "Morphometric study on the CHS of the nucleus basalis of Meynert in Alzheimer's disease" Mol. Chem. Neuropathol. (1991) 15:193-206.
	A33	Kordower et al., "The aged monkey basal forebrain: Rescue and sprouting of axotomized basal forebrain neurons after grafts of encapsulated cells secreting human nerve growth factor" Proc. Natl. Acad. Sci. (1994) 91:10898-10902.
	A34	Lehericy et al., "Heterogeneity and selectivity of the degeneration of cholinergic neurons in the basal forebrain of patients with Alzheimer's disease" J. Comp. Neurol. (1993) 330:15-31.
	A35	Levivier et al., "Intrastriatal implantation of fibroblasts genetically engineered to produce brain-derived neurotrophic factor prevents degeneration of dopaminergic neurons in a rat model of Parkinson's disease" The Jo. Of Neuroscience (1995) 15:7810-20.

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OTHER DOCUMENTS *(including author, title, Date, Pertinent Pages, Etc.)*

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LDL	A36	Mannino et al., "Liposome mediated gene transfer" Biotechniques (1988) 6:682-90.
	A37	Maxam et al., "Sequencing end-labeled DNA with base-specific chemical cleavages" Methods in Enzymology (1980) 65:499-560.
	A38	McCutchan et al., "Enhancement of the infectivity of simian virus 40 deoxy ribonucleic acid with diethylaminoethyl-dextran" J. Natl. Cancer Inst. (1968) 41:351-7.
	A39	Messing et al., "A system for shotgun DNA sequencing" Nucleic Acids Res. (1981) 9:309-21.
	A40	Mesulam et al., "Cholinergic innervation of cortex by the basal forebrain: cytochemistry and cortical connections of the septal area, diagonal band nuclei, nucleus basalis (substantia innominata), and hypothalamus in the rhesus monkey." J. Comp. Neurol. (1983) 214:170-197.
	A41	Moreau et al., "The SV40 72 base repair repeat has a striking effect on gene expression both in SV40 and other chimeric recombinants" Nucleic Acids Res. (1981) 9:6047-6068.
	A42	Mufson et al., "Loss of nerve growth factor receptor-containing neurons in Alzheimer's disease: A quantitative analysis across subregions of the basal forebrain" Exp. Neurol. (1989) 105:221-32.
	A43	Mufson et al., "Nerve growth factor receptor expressing human basal forebrain neurons: pathologic alterations in Alzheimer's and Parkinson's disease" Prog. Clin. Biol. Res. (1989) 317:401-14.
	A44	Palmer et al., "Genetically modified skin fibroblasts persist long after transplantation but gradually inactivate introduced genes" Proc. Natl. Acad. Sci. (1991) 88:1330-4.
	A45	Potter et al., "Electroporation in biology: methods, applications, and instrumentation" Anal. Biochem. (1988) 174:361-73.
	A46	Prockop et al., "Heritable diseases of collagen" N. Eng. J. Med. (1984) 311:376-86.
	A47	Raymon et al., "Application of ex vivo gene therapy in the treatment of Parkinson's disease" Experimental Neurobiology (1997) 144:82-91.
	A48	Rossi et al., "Identification of a cell-specific transcriptional enhancer in the first intron of the mouse alpha 2 (type I) collagen gene" Proc. Natl. Acad. Sci. (1987) 84:5590-4.
	A49	Schmidt et al., "Regulation of a collagen promoter by the product of viral mos oncogene" Nature (1985) 314:286-9.
	A50	Seliger et al., "Gamma interferon regulates long terminal repeat-controlled oncogene expression in transformed mouse fibroblasts at the level of mRNA transcription" J. Virology (1988) 62:619-21.
	A51	Seliger et al., "Tumor necrosis factor-alpha affects LTR-controlled oncogene expression in transformed mouse fibroblasts at the post-transcriptional level" J. Immunol. (1988) 141:2138-44.
	A52	Shvaloff et al., "Lines of therapeutic research in Alzheimer's disease" Psychopharmacology Bulletin (1996) 32:343-52..
	A53	Smith et al., "Age-associated neuronal atrophy occurs in the primate brain and is reversible by growth factor gene therapy" Proc. Natl. Acad. Sci. (1999) 96:10893-8.
✓	A54	Smith et al., "Characterization of collagen synthesized by normal and chemically transformed rat liver epithelial cell lines" Biochem. (1980) 19:1820-5.

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Examiner Initials	Ref. No.	Title
LN	A55	Toneguzzo et al., "Electric field-mediated DNA transfer: transient and stable gene expression in human and mouse lymphoid cells" Molec. Cell. Biol. (1986) 6:703-6.
	A56	Tuszynski et al., "Gene therapy in the adult primate brain: intraparenchymal grafts of cells genetically modified to produce nerve growth factor prevent cholinergic neuronal degeneration" Gene Therapy (1996) 3:305-14.
	A57	Tuszynski et al., "Recombinant human nerve growth factor infusions prevent cholinergic neuronal degeneration in the adult primate brain" Ann.. Neurol. (1991) 30:625-36.
	A58	Tuszynski et al., "Somatic gene therapy for nervous system disease" Ciba Foundation Symposium 196, Growth factors as drugs for neurological and sensory disorders (1996) 196:85-97.
	A59	Tuszynski et al., "The chronically injured spinal cord exhibits responsiveness to NGF delivered locally by gene therapy" Society for Neuroscience (1995) 21:1562 Abstract 613.3.
	A60	Ullrich et al., "Human beta-nerve growth factor gene sequence highly homologous to that of a mouse" Nature (1983) 303:821-5.
	A61	Wolff et al., "Expression of retrovirally transduced genes in primary cultures of rat hepatocytes" Proc. Natl. Acad. Sci. (1987) 84:3344-8.

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FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

CDK	A1 *	Kojima, et al., "Adenovirus-Mediated transduction with human glial cell line-derived neurotrophic factor gene prevents 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced dopamine depletion in striatum of mouse brain," *Biochemical and Biophysical Research Communications*, 238:569-573 (1997)
	A2 *	Roberts, et al., "Effects of NGF-Secreting Genetically Modified Cell Grafts on Cholinergic Neuronal Morphology and Gocnition in Aged Primates," *Soc. For Neuroscience Abstracts*, 21(2):613.8 (1995)
	A3 *	Yang, et al., "Gene Therapy for Central Nervous System Injury: The Use of Cationic Liposomes: An Invited Review," *Journal of Neurotrauma*, 14(5):281-297 (1997)
	A4 *	Zlokovic, et al., "Cellular and Molecular Neurosurgery: Pathways From Concept to Reality – Part II: Vector Systems and Delivery Methodologies for Gene Therapy of The Central Nervous System," *Neurosurgery*, 40(4):805-813 (1997)

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LDL	A1*	Tuszynski, et al., "Targeted Intraparenchymal Delivery of Human NGF by Gene Transfer to the Primate Basal Forebrain for 3 Months Does Not Accelerate β-Amyloid Plaque Disposition," *Experimental Neurology*, Article No. EN986956 1-10 (1998).

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